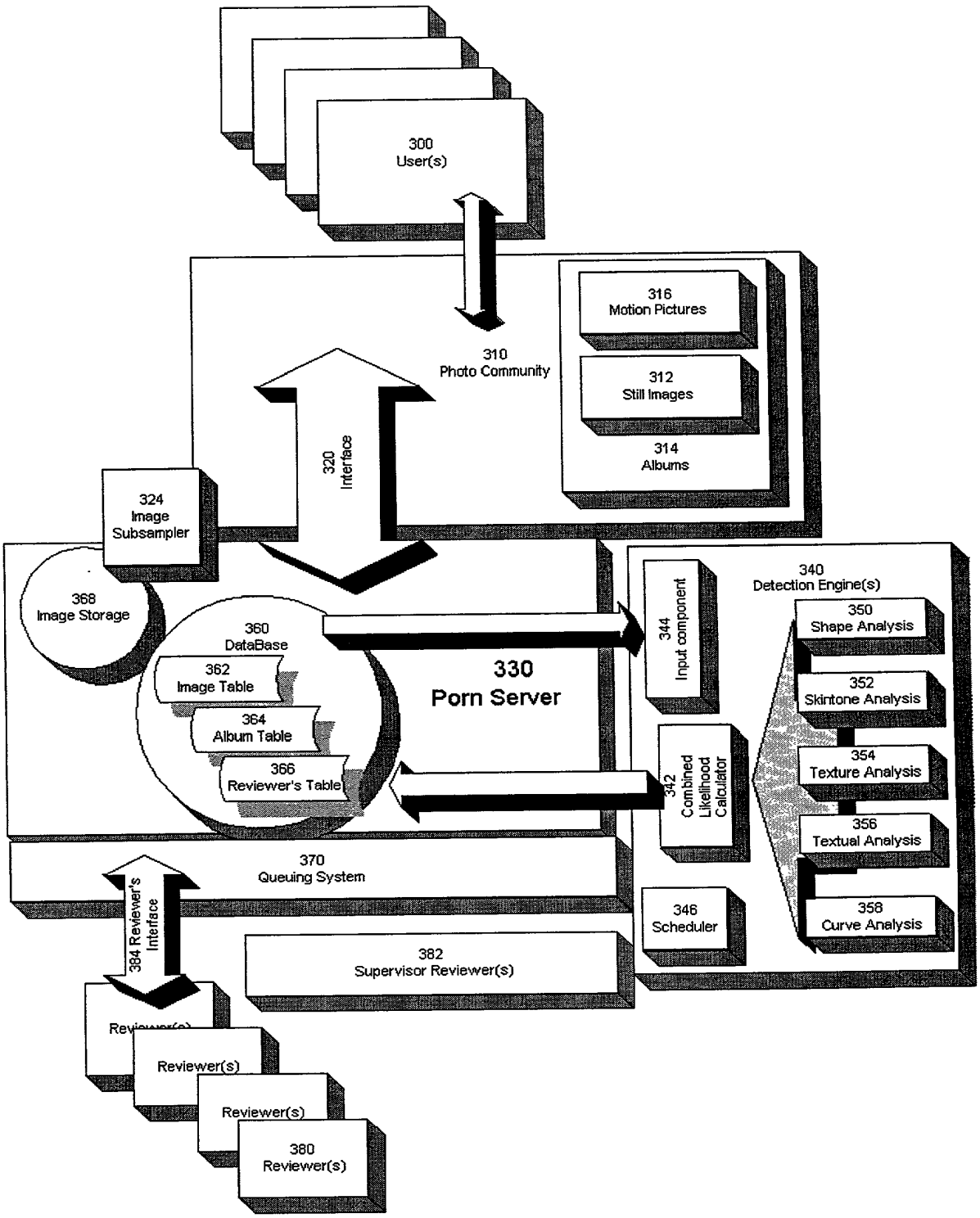
300
User(s)
310
Photo Community
316
Motion Pictures
312
Still Images
314
Albums
320
Interface
324
Image
Subsampler
368
Image Storage
360
DataBase
362
Image Table
364
Album Table
366
Reviewer's Table
330
Porn Server
340
Detection Engine(s)
344
Input component
350
Shape Analysis
352
Skintone Analysis
354
Texture Analysis
356
Textual Analysis
358
Curve Analysis
342
Combined
Likelihood
Calculator
346
Scheduler
370
Queuing System
384 Reviewer's
Interface
382
Supervisor Reviewer(s)
Reviewer(s)
Reviewer(s)
380
Reviewer(s)

Figure 1

Facsimile Photocopy

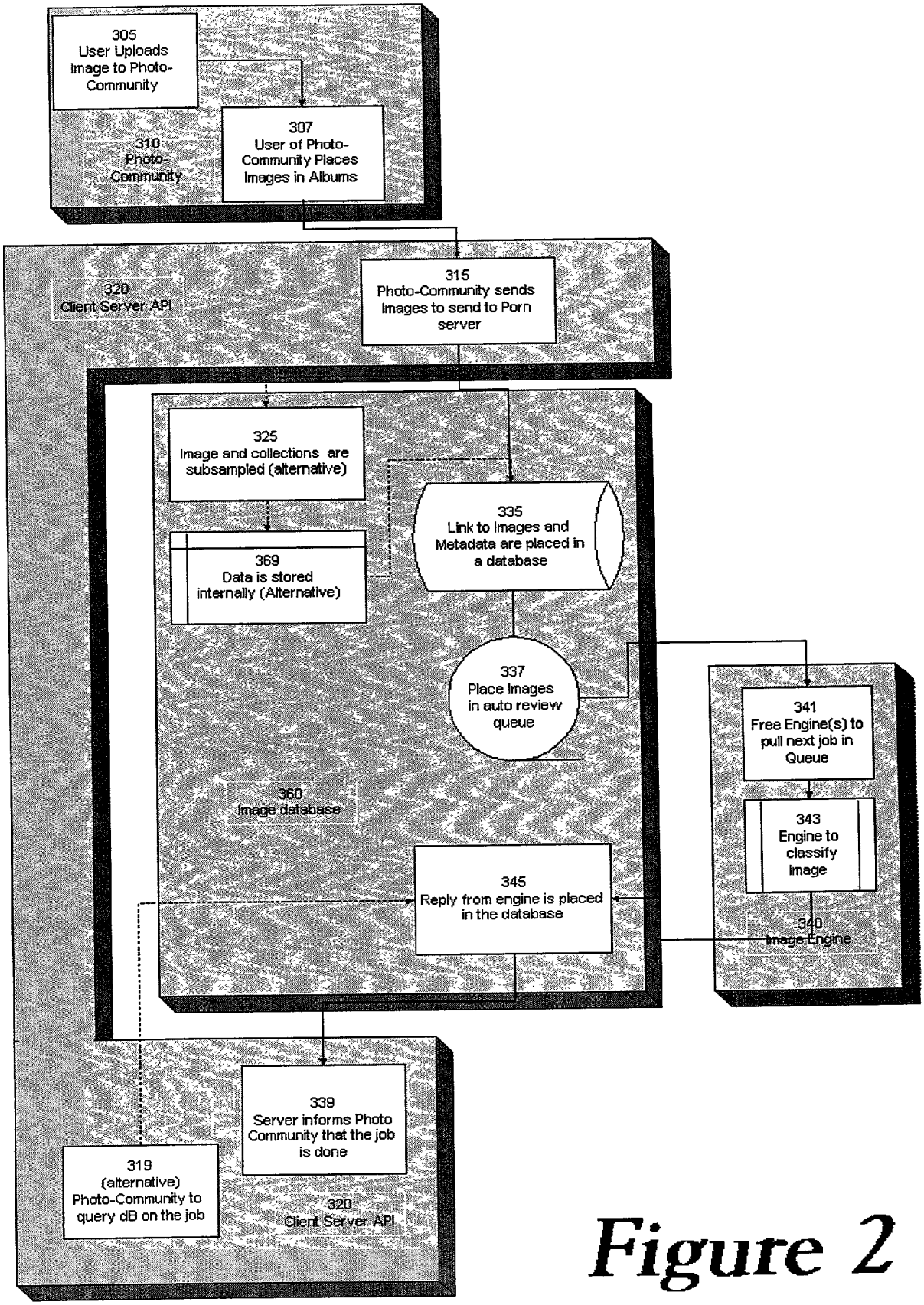

Figure 2

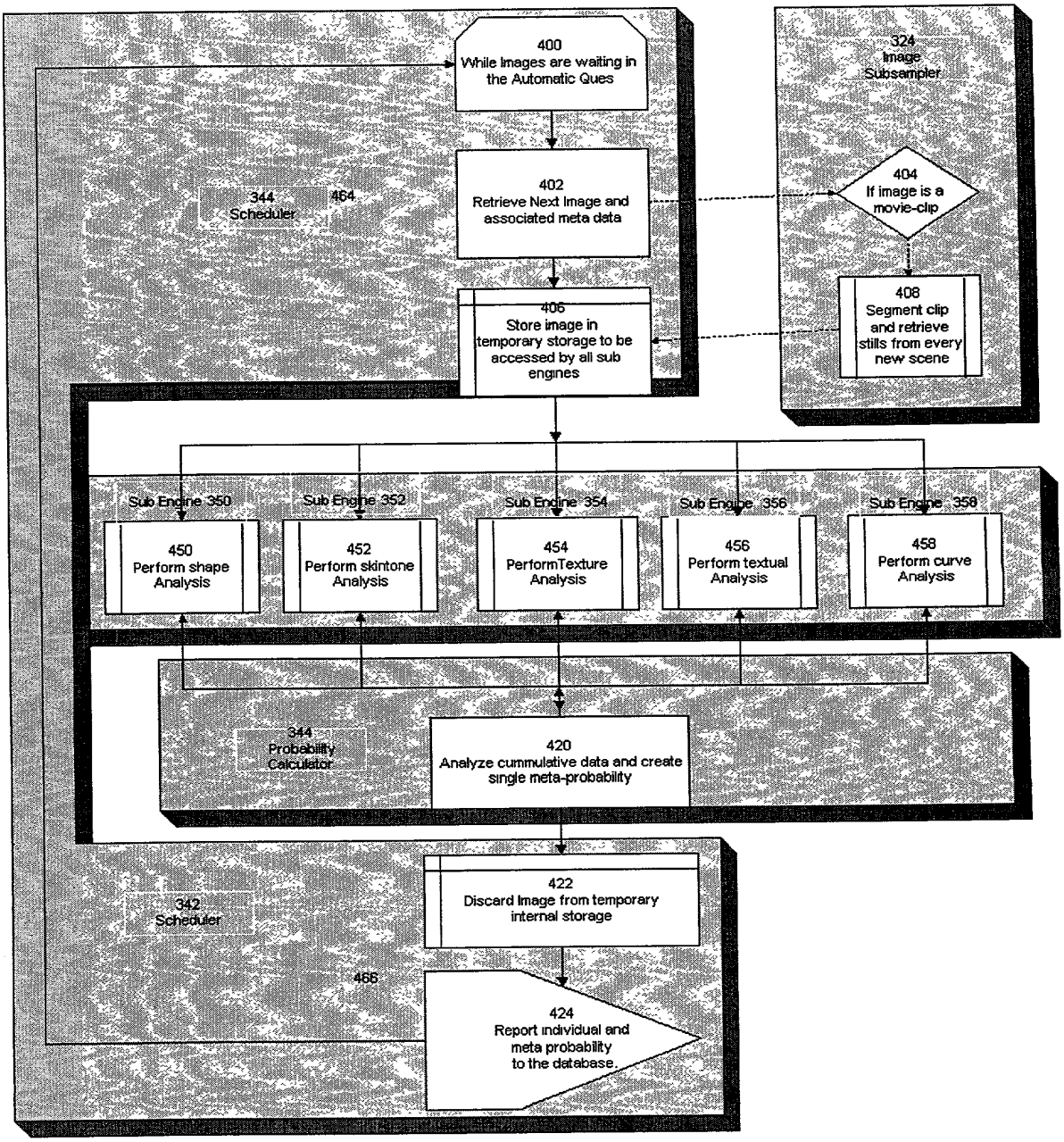
400
While images are waiting in the Automatic Ques
324
Image Subsampler
402
Retrieve Next Image and associated meta data
344
Scheduler
464
404
If image is a movie-clip
406
Store image in temporary storage to be accessed by all sub engines
408
Segment clip and retrieve stills from every new scene
Sub Engine 350
Sub Engine 352
Sub Engine 354
Sub Engine 356
Sub Engine 358
450
Perform shape Analysis
452
Perform skintone Analysis
454
PerformTexture Analysis
456
Perform textual Analysis
458
Perform curve Analysis
344
Probability Calculator
420
Analyze cummulative data and create single meta-probability
342
Scheduler
422
Discard Image from temporary internal storage
466
424
Report individual and meta probability to the database

Figure3

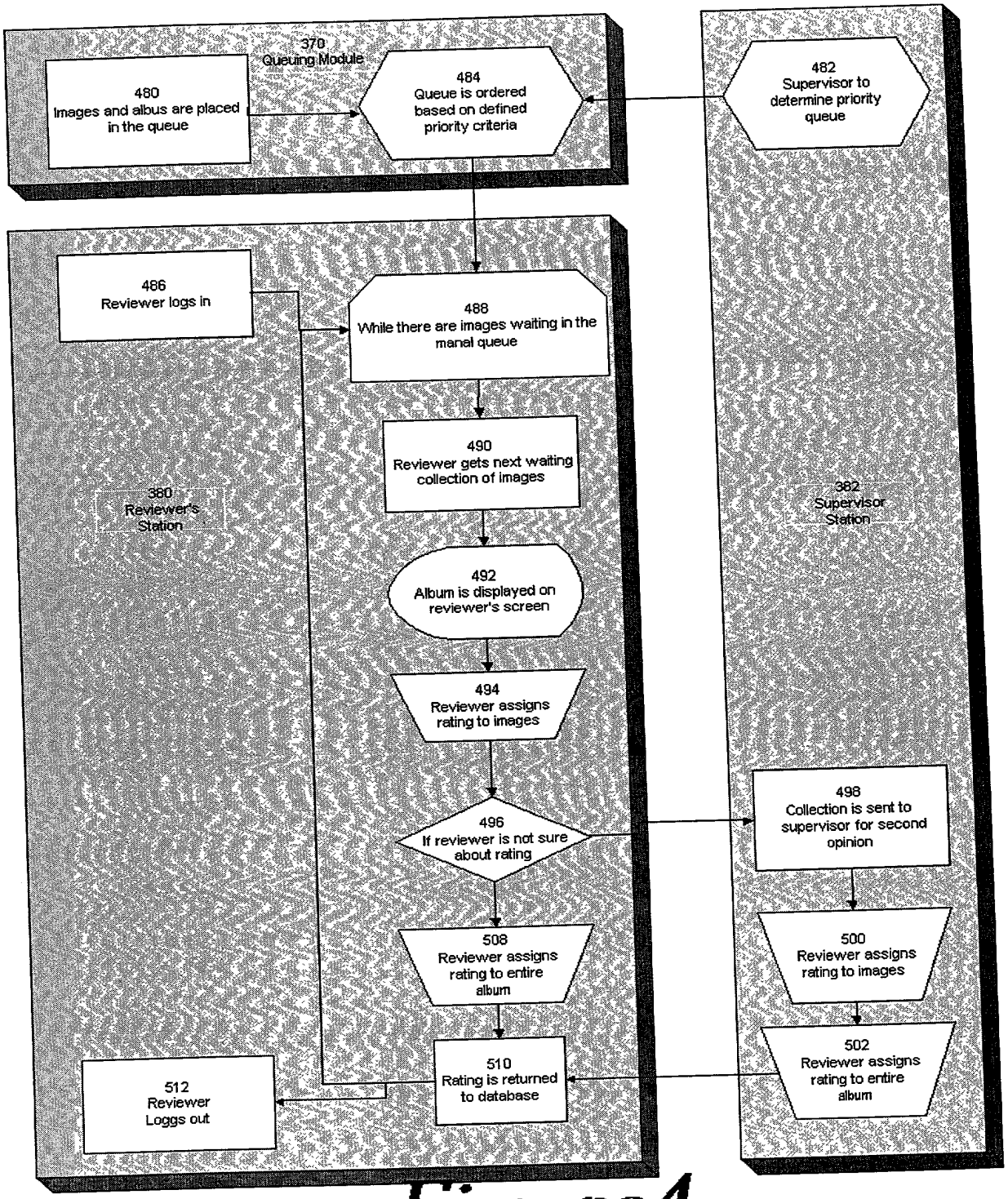
370
Queuing Module
480
Images and albus are placed in the queue
484
Queue is ordered based on defined priority criteria
482
Supervisor to determine priority queue
486
Reviewer logs in
488
While there are images waiting in the manal queue
490
Reviewer gets next waiting collection of images
360
Reviewer's Station
382
Supervisor Station
492
Album is displayed on reviewer's screen
494
Reviewer assigns rating to images
496
If reviewer is not sure about rating
498
Collection is sent to supervisor for second opinion
508
Reviewer assigns rating to entire album
500
Reviewer assigns rating to images
502
Reviewer assigns rating to entire album
510
Rating is returned to database
512
Reviewer Loggs out

Figure4

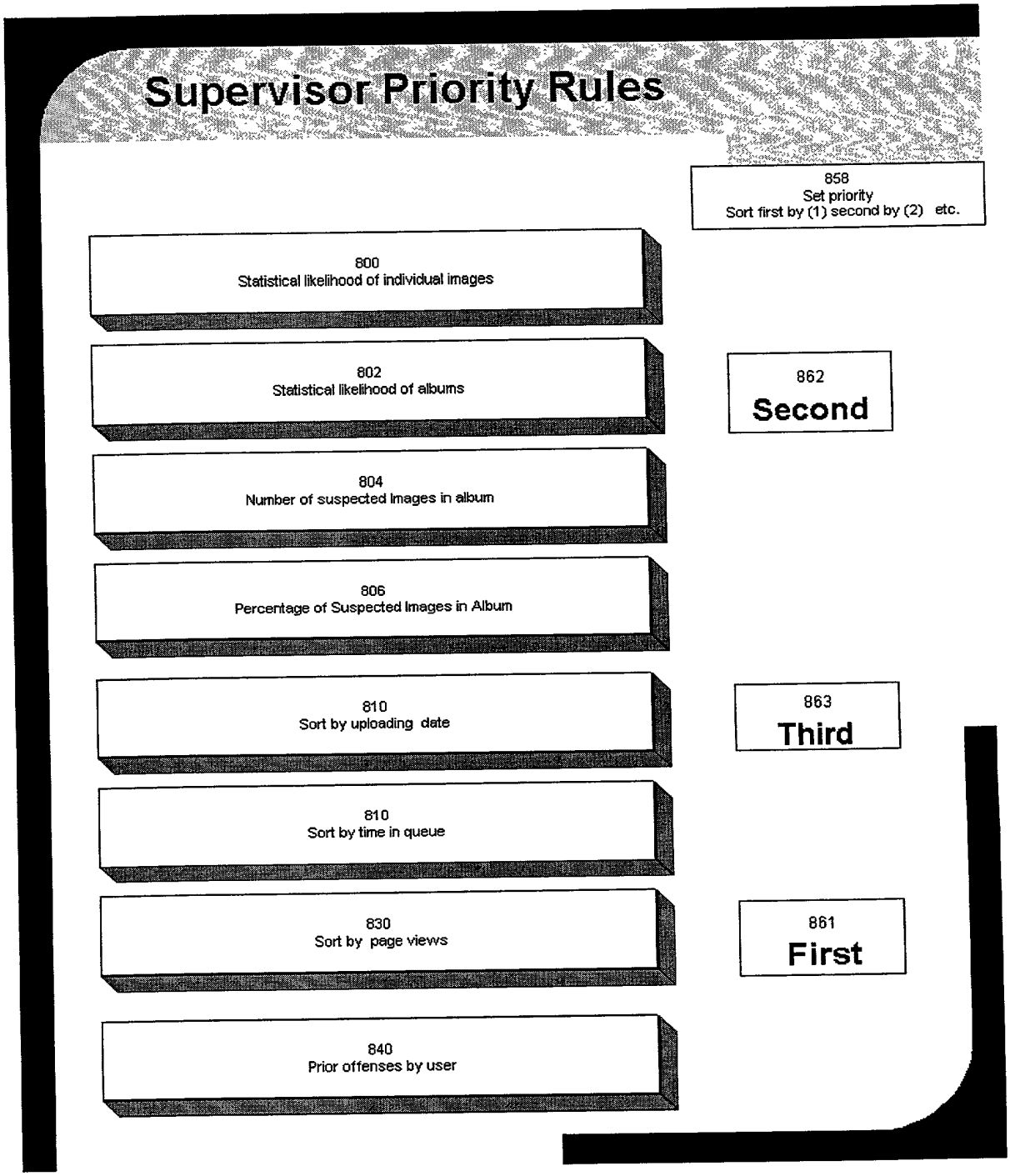
Supervisor Priority Rules
858
Set priority
Sort first by (1) second by (2) etc.
800
Statistical likelihood of individual images
802
Statistical likelihood of albums
862
Second
804
Number of suspected Images in album
806
Percentage of Suspected Images in Album
810
Sort by uploading date
863
Third
810
Sort by time in queue
830
Sort by page views
861
First
840
Prior offenses by user

Figure4A

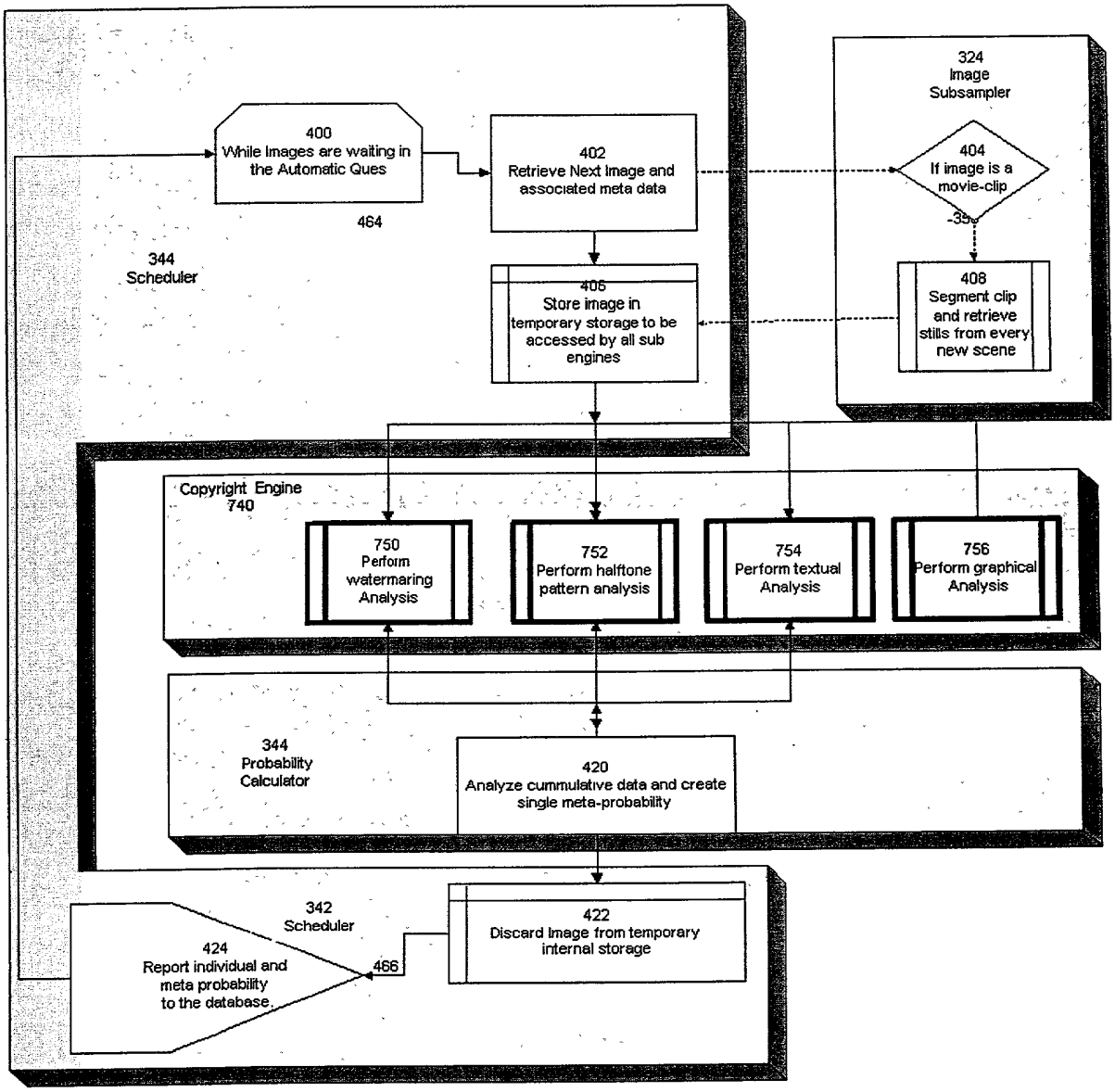
400
While Images are waiting in the Automatic Ques
464
402
Retrieve Next Image and associated meta data
344
Scheduler
406
Store image in temporary storage to be accessed by all sub engines
324
Image
Subsampler
404
If image is a movie-clip
-35-
408
Segment clip and retrieve stills from every new scene
Copyright Engine
740
750
Perform watermaring Analysis
752
Perform halftone pattern analysis
754
Perform textual Analysis
756
Perform graphical Analysis
344
Probability
Calculator
420
Analyze cummulative data and create single meta-probability
342
Scheduler
424
Report individual and meta probability to the database.
466
422
Discard Image from temporary internal storage

Figure5

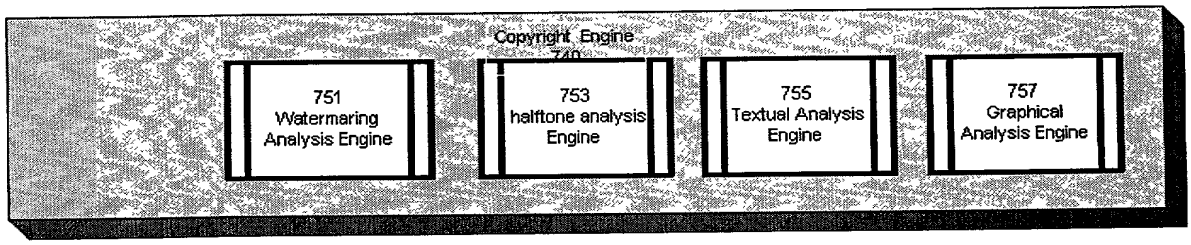

Figure 5A

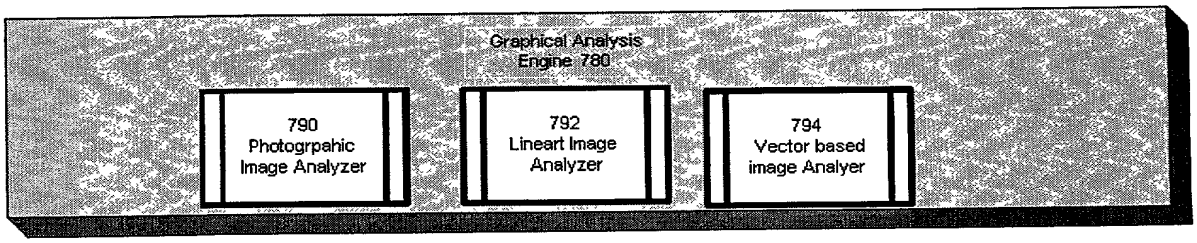

Figure 5B

T0220T*T060n00T

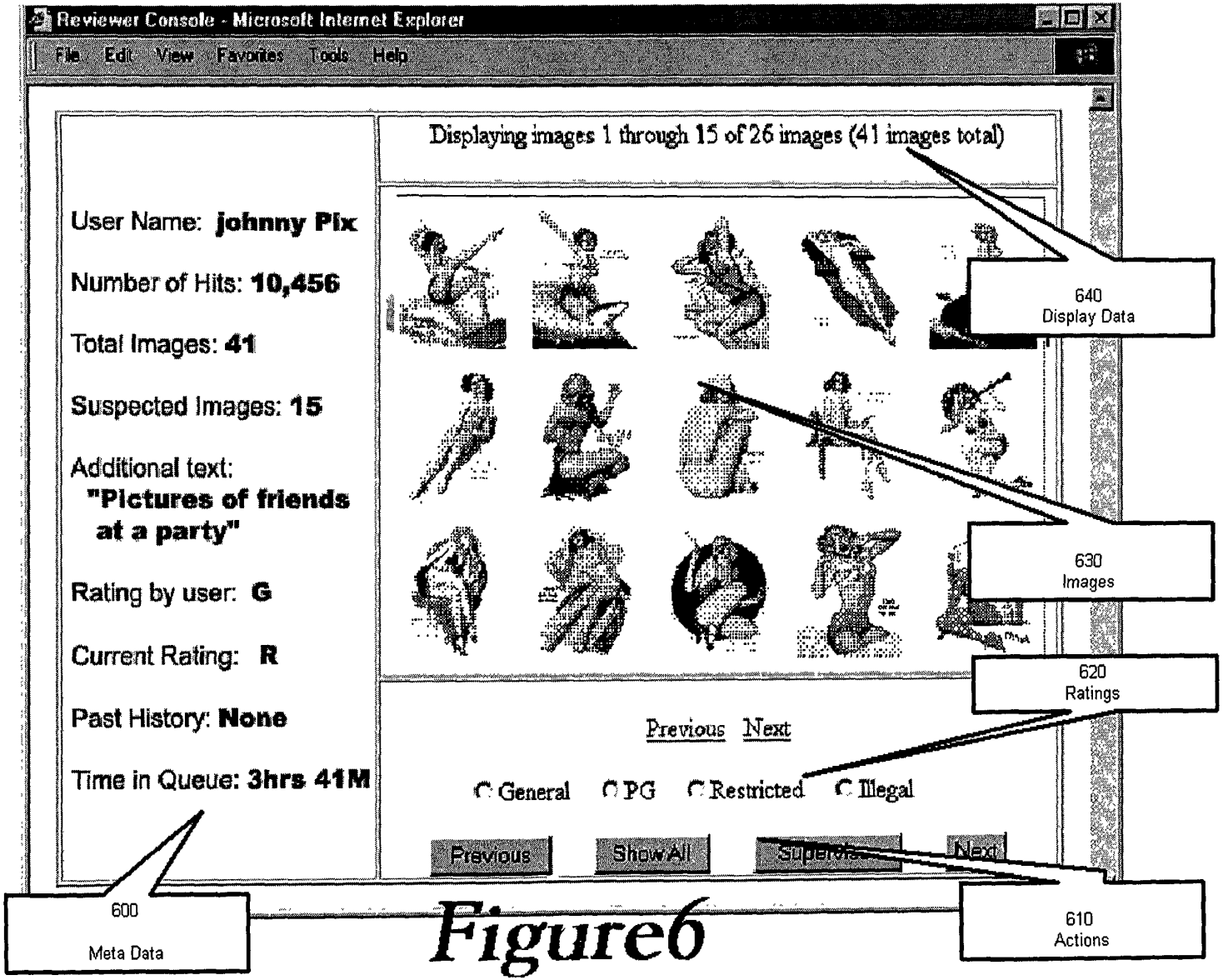

Figure6